Author Index of Volume 81

Abaii, M.S., 21
Agabekov, V.E., 211
Al-Banna, B.Y., 31
Aleksandrzak, K., 79
Aliwi, S.M., 31
Al-Shorachi, A.W., 31
Azarko, V.A., 211

Bakalova, Sn., 73
Bassani, D.M., 13
Bhattacharyya, S.N., 199
Blair, S.L., 183
Bobrowski, K., 159
Brown, R.G., 65
Bunce, N.J., 93

Castellan, A., 117, 123
Chatterjee, S., 199
Chen, Z., 177
Choudhury, H., 117, 123

Davidson, R.S., 117, 123
Doraiswamy, S., 139

Gergov, G., 131
Getoff, N., 73
Giménez-Arnau, E., 27
Grelier, S., 117, 123
Guillet, J.E., 87

Hamanishi, K., 1
Han, Y.-Y., 59
Hashtroodi, M.S., 21
Heldt, J., 79
Heldt, J.R., 79
Hill, R.H., 183
Hug, G.L., 159

Ilieva, V., 131

Jacquet, L., 169
Jiang, Y.-B., 205
Jin, Z., 177

Kamalov, G.L., 193
Katakis, D., 103
Kirsch-De Mesmaeker, A., 169
Köhler, G., 73
Krishnamoorthy, R., 55
Krishnan, V., 139
Kurauchi, M., 151

Lepoittevin, J.-P., 27
Lewis, F.D., 13
Li, Q., 177

Mabic, S., 27
Machado, A.E.d.H., 107
Maiya, B.G., 139
Malinka, E.A., 193
Marciniak, B., 159
Markov, P., 131
Meindl, K., 45
Mezger, T., 45
Mikhailovskii, Yu.K., 211
Mitsopoulou, C., 103
Modi, P.J., 87

Nešpůrek, S., 37
Neumann, M.G., 107
Nikolov, P., 73
Novkirishka, M., 131
Nuyken, O., 45

Ormson, S.M., 65
Oyama, O., 151

Pant, D.D., 7
Pant, S., 7
Periasamy, N., 139
Pirelahi, H., 21

Ranjit, K.T., 55
Rettig, W., 65
Ruggiero, R., 107

Sarkar, S., 199
Scaiano, J.C., 87
Schnabel, W., 37
Schneider, U.A., 93
Shariati, Y.R., 21
Shizuka, H., 1

Takahashi, T., 1
Tan-Sien-Hee, L., 169
Timtcheva, I., 73
Tokumura, K., 151
Tripathi, H.B., 7

Vaidya, V.K., 135
Venkataraman, B., 139
Viswanathan, B., 55
Vollmer, F., 65
Vrachnou, E., 103

Wang, X.-J., 205
Wintgens, V., 87
Wokaun, A., 45

Xi, C., 177
Xia, W., 183

Yamaji, M., 1
Yang, Y.-G., 59

Zareva, S., 131
Zheng, X., 177
Zhou, R.-L., 59

Elsevier Science S.A.

Subject Index of Volume 81

9-Acetoxy-10-phenylanthracene
spectroscopic properties of 9-acetoxy-2,3-dimethoxy- and 2,9-diacetoxy-3-methoxy-10-(4′-halogenophenyl)-anthracene derivatives, 79
4-*n*-Alkylbenzenediazosulfonates
photolabile surfactants based on the diazosulfonate group I. 4-*n*-Alkylbenzenediazosulfonates, 45
Alkyl sulfides
a reinvestigation of the mechanism of photoreduction of benzophenones by alkyl sulfides, 159
9-Anthracenylmethyl-9′-fluorenyl ketone
photochemistry of 9-anthracenylmethyl-9′-fluorenyl ketone, 87
1-Arylpropenes
formation and behavior of 1-arylpropene-amine exciplexes, 13

Benzophenones
a reinvestigation of the mechanism of photoreduction of benzophenones by alkyl sulfides, 159

Canadian troposphere
chemical lifetimes of chlorinated aliphatic priority pollutants in the Canadian troposphere, 93
Chemical lifetimes
chemical lifetimes of chlorinated aliphatic priority pollutants in the Canadian troposphere, 93
Chlorinated aliphatic priority pollutants
chemical lifetimes of chlorinated aliphatic priority pollutants in the Canadian troposphere, 93
Chlorophyll a
the study of photoelectrochemical cells based on chlorophyll a and safranine T, 59
Colloidal Fe_2O_3
photodegradation of phenol by visible light in the presence of colloidal Fe_2O_3, 199
β-Cyclodextrin
stoichiometric-dependent intramolecular charge transfer fluorescence of *p*-dimethylaminochalcone in β-cyclodextrin host–guest systems, 205

Deactivation
radiationless deactivation of 5-amino-2-arylindan-1,3-diones via intermolecular hydrogen bonds, 73
Diazosulfonate group
photolabile surfactants based on the diazosulfonate group. I. 4-*n*-Alkylbenzenediazosulfonates, 45
Diethylamine
formation and behavior of 1-arylpropene-amine exciplexes, 13
Dihydropyridines
photochromism of dihydropyridines. Formation and decay of coloured intermediates from 1-methyl-2,4,4,6-tetraphenyl-1,4-dihydropyridine on irradiation in chloroform and acetonitrile solutions and in poly(methyl methacrylate) solid solution, 37
p-Dimethylaminochalcone
stoichiometric-dependent intramolecular charge transfer fluorescence of *p*-dimethylaminochalcone in β-cyclodextrin host–guest systems, 205
Dimethylsilylene
reactivity of dimethylsilylene studied by laser flash photolysis at 295 K, 1

Electron transfer
quenching of excited polyazaaromatic Ru(II) complexes by oxygen: evidence for an electron transfer process by photoelectrochemical study, 169
Energy storage efficiency
photocatalytic splitting of water: increase in conversion and energy storage efficiency, 103
Excited singlet
reverse intersystem crossing from higher triplet to excited singlet in 2,2′-bipyridine-3,3′-diol phototautomer, 151
Excited states
switching between charge- and proton-transfer emission in the excited state of a substituted 3-hydroxyflavone, 65

Fluorescence
comparative study of stone-ground wood pulp and native wood. 2. Comparison of the fluorescence of stone-ground wood pulp and native wood, 117
comparative study of stone-ground wood pulp and native wood. 3. Application of fluorescence spectroscopy to a study of the weathering of stone-ground pulp and native wood, 123
time-resolved fluorescence studies on covalently linked porphyrin–nitroarene complexes. Conformational control of photoinduced electron transfer reactions, 139
Fluorescence lifetime
fluorescence lifetime studies on various ionic species of sodium fluorescein (Uranine), 7
Fluorescent exciplex
formation and behavior of 1-arylpropene-amine exciplexes, 13

5-Geranoxy
intramolecular photocyclization of 5-geranoxy psoralen (bergamottin), 27

Higher triplet
reverse intersystem crossing from higher triplet to excited singlet in 2,2′-bipyridine-3,3′-diol phototautomer, 151
Hydrogen bonds
radiationless deactivation of 5-amino-2-arylindan-1,3-diones via intermolecular hydrogen bonds, 73
Hydrogen evolution
influence of pH and surface complexes on the rate of hydrogen evolution from photocatalytic systems Pt/TiO_2–electron donor, 193
Hydrogen peroxide
the photodegradation of lignins in the presence of hydrogen peroxide, 107
3-Hydroxy-flavone
switching between charge- and proton-transfer emission in the excited state of a substituted 3-hydroxyflavone, 65

Elsevier Science S.A.

Intramolecular charge transfer fluorescence
stoichiometric-dependent intramolecular charge transfer fluorescence of *p*-dimethylaminochalcone in β-cyclodextrin host–guest systems, 205
Isomeric 2*H*-thiopyrans
novel photoisomerization of some 2,4,4,6-tetrasubstituted 4*H*-thiopyrans to isomeric 2*H*-thiopyrans, 21

Laser flash photolysis
reactivity of dimethylsilylene studied by laser flash photolysis at 295 K, 1
Lignins
the photodegradation of lignins in the presence of hydrogen peroxide, 107

Methanol
on the photoinduced oxidation of methanol in aqueous solution, 131
Methoxo-oxobis(benzohydroxamato)vanadium(V)
photolysis of methoxo-oxobis(benzohydroxamato)-vanadium(V) in different organic solvents, 31

Native wood
comparative study of stone-ground wood pulp and native wood. 2. Comparison of the fluorescence of stone-ground wood pulp and native wood, 117
comparative study of stone-ground wood pulp and native wood. 3. Application of fluorescence spectroscopy to a study of the weathering of stone-ground pulp and native wood, 123
Nickel films
the photochemical production of nickel films from thin films of the inorganic nickel complexes *trans*-NiN_4X_2 ($N_2 \equiv Et_2NC_2H_4NH_2$, $MeHNC_2H_4NMeH$; $X \equiv NO_2$, NO_3, NCS), 183
Nitrate
photocatalytic reduction of nitrite and nitrate on ZnS, 55
Nitrite
photocatalytic reduction of nitrite and nitrate on ZnS, 55

Osazone
sensitized photo-oxidation of osazone by singlet oxygen, 135

pH
influence of pH and surface complexes on the rate of hydrogen evolution from photocatalytic systems Pt/TiO_2–electron donor, 193
Phenol
photodegradation of phenol by visible light in the presence of colloidal Fe_2O_3, 199
Phenyl substituent
spectroscopic properties of 9-acetoxy-2,3-dimethoxy- and 2,9-diacetoxy-3-methoxy-10-(4′-halogenophenyl)-anthracene derivatives, 79
Photocatalytic reduction
photocatalytic reduction of nitrite and nitrate on ZnS, 55
Photocatalytic splitting
photocatalytic splitting of water: increase in conversion and energy storage efficiency, 103
Photocatalytic systems
influence of pH and surface complexes on the rate of hydrogen evolution from photocatalytic systems Pt/TiO_2–electron donor, 193
Photochemical transformations
photochemical transformations of sulfophthaleine dyes in thin film state, 211
Photochromism
photochromism of dihydropyridines. Formation and decay of coloured intermediates from 1-methyl-2,4,4,6-tetraphenyl-1,4-dihydropyridine on irradiation in chloroform and acetonitrile solutions and in poly(methyl methacrylate) solid solution, 37
Photocyclization
intramolecular photocyclization of 5-geranoxy psoralen (bergamottin), 27
Photodegradation
the photodegradation of lignins in the presence of hydrogen peroxide, 107
photodegradation of phenol by visible light in the presence of colloidal Fe_2O_3, 199
Photoelectrochemical cells
the study of photoelectrochemical cells based on chlorophyll a and safranine T, 59
Photoinduced conversion of H_2PtCl_6
on the conditions and mechanism of PtO_2 formation in the photoinduced conversion of H_2PtCl_6, 177
Photoinduced electron transfer reactions
time-resolved fluorescence studies on covalently linked porphyrin–nitroarene complexes. Conformational control of photoinduced electron transfer reactions, 139
Photoinduced oxidation
on the photoinduced oxidation of methanol in aqueous solution, 131
Photoisomerization
novel photoisomerization of some 2,4,4,6-tetrasubstituted 4*H*-thiopyrans to isomeric 2*H*-thiopyrans, 21
Photolabile surfactants
photolabile surfactants based on the diazosulfonate group. I. 4-*n*-Alkylbenzenediazosulfonates, 45
Photolysis
photolysis of methoxo-oxobis(benzohydroxamato)-vanadium(V) in different organic solvents, 31
photochemistry of 9-anthracenylmethyl-9′-fluorenyl ketone, 87
Photo-oxidation
sensitized photo-oxidation of osazone by singlet oxygen, 135
Photoreduction
a reinvestigation of the mechanism of photoreduction of benzophenones by alkyl sulfides, 159
Porphyrin–nitroarene complexes
time-resolved fluorescence studies on covalently linked porphyrin–nitroarene complexes. Conformational control of photoinduced electron transfer reactions, 139
Proton transfer
switching between charge- and proton-transfer emission in the excited state of a substituted 3-hydroxyflavone, 65
Psoralen (bergamottin)
intramolecular photocyclization of 5-geranoxy psoralen (bergamottin), 27
Pt/TiO_2–electron donor
influence of pH and surface complexes on the rate of hydrogen evolution from photocatalytic systems Pt/TiO_2–electron donor, 193
PtO_2
on the conditions and mechanism of PtO_2 formation in the photoinduced conversion of H_2PtCl_6, 177

Quench
formation and behavior of 1-arylpropene-amine exciplexes, 13
Quenching
quenching of excited polyazaaromatic Ru(II) complexes by oxygen: evidence for an electron transfer process by photoelectrochemical study, 169

Reverse intersystem crossing
reverse intersystem crossing from higher triplet to excited singlet in 2,2′-bipyridine-3,3′-diol phototautomer, 151
Ru(II) complexes
quenching of excited polyazaaromatic Ru(II) complexes by oxygen: evidence for an electron transfer process by photoelectrochemical study, 169

Safranine T
the study of photoelectrochemical cells based on chlorophyll a and safranine T, 59
Singlet oxygen
sensitized photo-oxidation of osazone by singlet oxygen, 135
Sodium fluorescein
fluorescence lifetime studies on various ionic species of sodium fluorescein (Uranine), 7
Sulfophthaleine dyes
photochemical transformations of sulfophthaleine dyes in thin film state, 211

2,4,4,6-tetrasubstituted 4*H*-Thiopyrans
novel photoisomerization of some 2,4,4,6-tetrasubstituted 4*H*-thiopyrans to isomeric 2*H*-thiopyrans, 21
Thin films
the photochemical production of nickel films from thin films of the inorganic nickel complexes *trans*-NiN_4X_2 ($N_2 \equiv Et_2NC_2H_4NH_2$, $MeHNC_2H_4NMeH$; $X \equiv NO_2$, NO_3, NCS), 183
photochemical transformations of sulfophthaleine dyes in thin film state, 211
Trimethylamine
formation and behavior of 1-arylpropene-amine exciplexes, 13

Uranine
fluorescence lifetime studies on various ionic species of sodium fluorescein (Uranine), 7

Weathering
comparative study of stone-ground wood pulp and native wood. 3. Application of fluorescence spectroscopy to a study of the weathering of stone-ground pulp and native wood, 123
Wood pulp
comparative study of stone-ground wood pulp and native wood. 2. Comparison of the fluorescence of stone-ground wood pulp and native wood, 117
comparative study of stone-ground wood pulp and native wood. 3. Application of fluorescence spectroscopy to a study of the weathering of stone-ground pulp and native wood, 123

ZnS
photocatalytic reduction of nitrite and nitrate on ZnS, 55